1345

B. Tech 3rd Semester Examination

Internet Fundamentals (N.S.)

IT-212/CS-213

Time : 3 Hours   **Max. Marks : 100**

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note :   Attempt five questions in all, select one question from each sections A, B, C and D. Section E (Question 9) is compulsory.

SECTION - A

1.   (a)   Explain the different modes of connecting to internet.
                                                                              (10)

     (b)   Define client server computing and explain it with help of a diagram.   **(10)**

2.   (a)   What is bandwidth management? Explain similarities and differences between IPv4 and IPv6 protocols.   **(10)**

     (b)   Differentiate Internet address and standard address. Also explain type of internet account.   **(10)**

SECTION - B

3.   (a)   Discuss different components of most common email address format.   **(10)**

     (b)   What do you mean by WWW & also compare WEB 2.0 & WEB 3.0?   **(10)**

4.   Explain the following terms:

     (a)   FTP   (b) Telnet   (c) DNS   (d) Cookies.   **(20)**

SECTION - C

5. (a) What is programming language ? Explain creation of client side programs. **(10)**

   (b) Explain structure of website and different web services. **(10)**

6. (a) What is e-commerce? What are its types? **(10)**

   (b) Write introduction and origin of newsgroups. **(10)**

SECTION - D

7. (a) Explain voice and data convergence in networks. **(10)**

   (b) Explain file sharing and file transfer with suitable examples. **(10)**

8. What do you mean by network security ? Explain why it is needed. **(20)**

SECTION - E

9. (a) Differentiate intranet and extranet.

   (b) Give introduction to the term Blog.

   (c) Explain etiquettes on the internet.

   (d) What is AJAX and where it is used?

   (e) How can we create hypertext links in HTML?

   (f) Explain the functionality of TCP/IP protocol of internet.

   (g) Explain the term WWW and its uses.

   (h) Explain the super tool for better computing.

   (i) Write down major internet services.

   (j) Explain web browsers. **(2×10=20)**